

## SNC-CX600

720p/30 fps Network Camera  
with White-lite LED Illuminators  
Powered by IPELA ENGINE EX™ -  
C Series



### Overview

**Protect offices, restaurants and small business premises with this affordable, discreet IP network camera that's easy to install and offers crisp HD picture quality.**

It's easier than ever for small business owners to monitor their premises round the clock against the risk of intrusion and disturbances.

The SNC-CX600 is a compact 'all in one' security camera that includes passive sensor, LED illuminator, speaker/microphone and edge recording functions in an affordable integrated package. It's ideal for safeguarding offices, restaurants, hotels and other small business premises.

Offering crisp, clear HD 720p picture quality, the SNC-CX600 includes many of the core imaging technologies featured in Sony's latest generation of video security camera range. Powered by the acclaimed IPELA ENGINE EX signal processing platform, you'll enjoy excellent imaging quality plus intelligent analytics.

The discreet, smartly styled fixed camera surveys the scene with a wide (120°) horizontal viewing angle. A passive infrared (PIR) sensor can detect a subject with a higher temperature than the room temperature in the camera's field of view in total darkness,

illuminating surroundings automatically with a white LED or when activated by the user. The PIR sensor can also trigger other actions, like recording on optional memory card, giving voice alerts via the built-in speaker or sending an email notification.

Integration with standard wired Ethernet networks is simple: for extra flexibility, the camera is powered via PoE (Power over Ethernet). HD video can be streamed over IP networks and also saved to the camera's on-board micro SD memory card for later review.

## Features

### **Survey the whole scene with HD quality**

The fixed camera's fixed lens covers entrances, doorways, public areas and store rooms with a wide (120°) horizontal angle of view. The high resolution Exmor CMOS sensor assures crisp HD (1280 x 720) video images.

### **Best-ever imaging performance with IPELA ENGINE EX**

Excellent imaging performance is assured by the inclusion of core technologies featured in the latest generation of video security camera range. Powered by the IPELA ENGINE EX signal processing platform, XDNR (Excellent Dynamic Noise Reduction) and Visibility Enhancer ensure clearer low-light images; DEPA Advanced analytics can trigger alarms based on user-determined rules.

### **Always ready for action, even in the dark**

The passive infrared (PIR) sensor can detect a subject with a higher temperature than the room temperature in the camera's field of view in total darkness, switching on white-light LED illuminators that capture clear colour images up to a distance of 3m from the camera. The sensor can also activate a range of other functions, such as triggering a voice alert, starting recording or sending an email notification.

## **More stable images**

The in-built image stabiliser helps reduce the effects of camera shake for crisper, clearer images with reduced blur.

## **Easy IP network connectivity**

The camera connects with standard wired Ethernet networks. For simple and tidy installation, the camera is powered via PoE (IEEE802.3af), eliminating the need for additional power cables.

## **Automatic recording**

Video images can be recorded directly to an optional micro SD card (not included) for later analysis. Edge recording can be started manually, automatically via an alert triggered by the passive infrared (PIR) sensor, in response to temporary network disconnection or tampering, by integrated analytics. Search, playback and export from the SD card is available directly via the web browser interface when using Internet Explorer®.

## **Hear and be heard**

The camera's built-in microphone and loudspeaker enable two-way audio communication – ideal for use as an intercom. In addition, the passive infrared sensor can trigger playback of a pre-recorded Voice Alert message through the speaker when motion is detected.

## **Small, stylish and discreet**

The camera's compact profile blends discreetly into a wide range of commercial environments.

## **ONVIF (Open Network Video Interface Forum) compliance**

Support for ONVIF simplifies integration with a wide range of VMS platforms and hardware, providing video streaming and camera control. ONVIF (Open Network Video Interface Forum) defines a common protocol for the exchange of information between network video devices, including automatic device discovery and video streaming.

## Specifications

### Camera

|              |   |
|--------------|---|
| Image Sensor | 1/4-type progressive scan Exmor CMOS sensor |
|--------------|---|

|                            |                        |
|----------------------------|------------------------|
| Number of Effective Pixels | Approx. 1.3 Megapixels |
|----------------------------|------------------------|

|                               |   |
|-------------------------------|---|
| Minimum Illumination (50 IRE) | Color: 1.0 lx (F2.0, VE Off, AGC Max, 1/30 s, 30 fps) |
|-------------------------------|---|

|                               |   |
|-------------------------------|---|
| Minimum Illumination (30 IRE) | Color: 0.5 lx (F2.0, VE Off, AGC Max, 1/30 s, 30 fps) |
|-------------------------------|---|

|                       |                 |
|-----------------------|-----------------|
| S/N Ratio (Gain 0 dB) | More than 60 dB |
|-----------------------|-----------------|

|      |      |
|------|------|
| Gain | Auto |
|------|------|

|               |                     |
|---------------|---------------------|
| Shutter Speed | 1/1 s to 1/10,000 s |
|---------------|---------------------|

|                  |                                      |
|------------------|--------------------------------------|
| Exposure Control | Exposure compensation, Shutter speed |
|------------------|--------------------------------------|

|               |   |
|---------------|---|
| White Balance | ATW, ATW-PRO, Fluorescent lamp, Mercury lamp, Sodium vapour lamp, Metal halide lamp, White LED, One push WB, Manual |
|---------------|---|

|      |            |
|------|------------|
| Lens | Fixed lens |
|------|------------|

|            |                 |
|------------|-----------------|
| Zoom Ratio | Digital zoom 4x |
|------------|-----------------|

Total zoom 4x

|                             |             |
|-----------------------------|-------------|
| Horizontal Viewing Angle    | 120°        |
| Vertical Viewing Angle      | 64.0°       |
| Focal Length                | f = 1.83 mm |
| F-Number                    | F2.0        |
| Minimum Object Distance     | 500 mm      |
| White-light LED Illuminator | Yes(2)      |
| LED Working Distance        | 3 m         |

## Camera Features

|                  |                     |
|------------------|---------------------|
| Image rotate     | 90°, 270°           |
| Mirroring        | Yes                 |
| Wide-D           | View-DR LT-C        |
| Tone Correction  | Visibility Enhancer |
| Noise Reduction  | XDNR                |
| Image Stabilizer | Electronic          |

|                                  |   |
|----------------------------------|---|
| Picture Mode                     | Yes   |
| Privacy Masking (number)         | 20  |
| Privacy Masking (shape)          | Quadrangle formed by any four corner points   |
| Privacy Masking (color/effect)   | Opaque 14 colors (Black, White, Red, Green, Blue, Cyan, Yellow, Magenta, Gray (6 scales)), Mosaic                                     |
| Edge Storage                     | Yes   |
| Compatibility with Cloud Service | Yes   |
| Voice Alert                      | Yes   |
| Superimpose Number               | 3 independent positions for characters (Codec, Date & Time, Event, Text (Max. 64 characters)), 1 independent position for a logo mark |
| Superimpose Language             | English   |
| Menu Language                    | English, Japanese, Chinese (simplified), Chinese (Traditional), French, Spanish, German, Italian, Korean, Portuguese, Russian,        |

Arabic, Hindi, Vietnamese, Thai

Smartphone viewer Yes

## Video

Resolution 1280 x 720, 1024 x 576, 720 x 576, 720 x 480, 704 x 576, 640 x 480, 640 x 360, 352 x 288, 320 x 180 (H.264, JPEG)

Compression Format H.264 (High/Main/Baseline Profile), JPEG

Maximum Frame Rate H.264: 30 fps (1280 x 720)  
JPEG: 30 fps (1280 x 720)

Bitrate Control Mode CBR/VBR (selectable)

Range of Bit Rate Setting 64 Kbps to 8 Mbps

Solid PTZ Yes

Adaptive Rate Control H.264

Bandwidth Control JPEG

Multi streaming Capability Yes (3)

Number of Clients 5

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## Intelligent Video/Audio Analytics

Analytics Architecture DEPA Advanced

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Intelligent Motion Detection Yes

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Face Detection Yes

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Tamper Alarm Yes

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Scene Analytics Passing, Appearance, Left Object Detection, Removed Object Detection

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## Audio

Compression Format G.711/G.726/AAC (16 kHz, 48 kHz)

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## System Requirements

Operating System Windows XP (32 bit) Professional Edition  
Windows Vista (32 bit) Ultimate, Business Edition  
Windows 7 (32/64 bit) Ultimate, Professional Edition  
Windows 8 Pro (32/64 bit)  
Windows 8.1 Pro (32/64 bit)

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|                    |   |
|--------------------|---|
| Processor          | Intel Core2 CPU 6420 2.13 GHz or higher   |
| Memory             | 2 GB or more  |
| Web Browser        | Microsoft Internet Explorer Ver. 7.0, Ver. 8.0, Ver. 9.0, Ver. 10.0, Ver. 11.0<br>Firefox Ver. 19.02 (plug-in free viewer only)<br>Safari Ver. 5.1 (plug-in free viewer only)<br>Google Chrome Ver. 25.0 (plug-in free viewer only) |
| SNC toolbox        | Yes   |
| SNC toolbox mobile | Yes   |

## Network

|                                  |   |
|----------------------------------|---|
| Protocols                        | IPv4, TCP, UDP, ARP, ICMP, IGMP*, HTTP, DHCP, DNS, NTP, RTP/RTCP, RTSP over TCP, SMTP over HTTP, IPv6, HTTPS, FTP (client), SNMP (v1, v2c, v3), SSL<br>*SSM (Source Specific Multicast) is supported. |
| Number of IP Address/Mac ADDRESS | 1   |

|                             |                      |
|-----------------------------|----------------------|
| QoS                         | DSCP                 |
| Multicast Streaming Support | Yes                  |
| ONVIF Conformance           | Profile S, Profile T |
| Authentication              | IEEE802.1X           |

## Interface

|                        |                             |
|------------------------|-----------------------------|
| Microphone Input       | Built-in microphone         |
| Line Output            | Built-in speaker            |
| Network Port           | 10BASE-T/100BASE-TX (RJ-45) |
| Card Slots             | micro-SD                    |
| Confirmed SD Card Type | SDHC (no support SDXC)      |

## General

|                       |                                      |
|-----------------------|--------------------------------------|
| Power Requirements    | IEEE 802.3af compliant (PoE) Class * |
| Power Consumption     | 5.0 W max.                           |
| Operating Temperature | 0°C to +50°C<br>32°F to 122°F        |

|                     |  |
|---------------------|--|
| Storage Temperature | -20 °C to + 60 °C<br>-4 °F to + 140 °F   |
| Operating Humidity  | 20 % to 80 %   |
| Storage Humidity    | 20 % to 95 %   |
| Dimensions *1       | Approx. 61 mm(w) x 95 mm(H) x 41 mm(D)<br>Approx. 2 13/32 inches x 3 3/4 inches x 1 5/8 inches   |
| Mass                | Approx. 110 g<br>Approx. 3.9 oz  |
| External Material   | PC (Polycarbonate)   |
| External Color      | Munsell 6.8PB 9/0.88   |
| Fire Retardant      | UL94HB or higher   |
| Safety Regulations  | JATE Technical Standard (LAN)<br>UL2044, IEC60950-1 (CB)<br>VCCI Class B, FCC Class B, IC Class B<br>Emission: EN55022 (Class B) + EN50130-4<br>Immunity: EN55022 (Class B) + EN55024<br>Emission: AS/NZS CISPR22 (Class B)<br>KCC |

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|                      |   |
|----------------------|---|
| Supplied Accessories | Camera stand (1)<br>Screws (3)<br>Installation Manual (1)<br>Warranty card (1)<br>Safety regulations for network camera (1) |
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## Notes

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| *1 | The values for dimensions are approximate. |
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## Gallery

